

CLAIMS

1. A coloring composition comprising a dis-azo compound or poly-azo compound which contains two or more substituents having a pKa value in water of -10 to 5 and which has an oxidation potential more positive than 0.8 V (vs SCE).

2. The coloring composition according to claim 1, wherein the dis-azo compound or poly-azo compound is an azo compound represented by the following general formula (I):



wherein A, B, and C each independently represents an aromatic group which may be substituted or a heterocyclic group which may be substituted, A and C are monovalent groups and B is a divalent group.

3. The coloring composition according to claim 2, wherein the dis-azo compound or poly-azo compound is an azo compound represented by the following general formula (II):

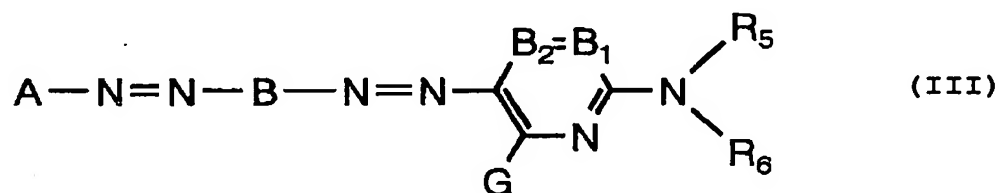


wherein A and B are the same as A and B in the general formula (I) respectively, and Het represents an aromatic heterocyclic group.

4. The coloring composition according to claim 3, wherein at least one of A and B in the general formula (II) is an aromatic heterocyclic group.

5. The coloring composition according to claim 3, wherein Het in the general formula (II) is an aromatic nitrogen-containing six-membered heterocyclic group.

6. The coloring composition according to claim 3, wherein the dis-azo compound or poly-azo compound is an azo compound represented by the following general formula (III):



wherein A and B are the same as A and B in the general formula (II) respectively, B₁ and B₂ represent =CR₁- and -CR₂= respectively, or either one represents a nitrogen atom and the other represents =CR₁- or -CR₂=; G, R₁ and R₂ each independently represents a hydrogen atom, a halogen atom, an aliphatic group, an aromatic group, a heterocyclic group, a cyano group, a carboxyl group, a

carbamoyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a heterocyclic oxycarbonyl group, an acyl group, a hydroxyl group, an alkoxy group, an aryloxy group, a heterocyclic oxy group, a silyloxy group, an acyloxy group, a carbamoyloxy group, an alkoxycarbonyloxy group, an aryloxy carbonyloxy group, an amino group (including an anilino group and a heterocyclic amino group), an acylamino group, a ureido group, a sulfamoylamino group, an alkoxycarbonylamino group, an aryloxy carbonylamino group, an alkyl- or arylsulfonylamino group, a heterocyclic sulfonylamino group, a nitro group, an alkyl- or arylthio group, a heterocyclic thio group, an alkyl- or arylsulfonyl group, a heterocyclic sulfonyl group, an alkyl- or arylsulfinyl group, a heterocyclic sulfinyl group, a sulfamoyl group, or a sulfo group, and each of these groups may further be substituted; R_5 and R_6 each independently represents a hydrogen atom, an aliphatic group, an aromatic group, a heterocyclic group, an acyl group, an alkoxycarbonyl group, an aryloxy carbonyl group, a carbamoyl group, an alkyl- or arylsulfonyl group, or a sulfamoyl group, and each of these groups may further be substituted, provided that R_5 and R_6 are not hydrogen atoms at the same time; and R_1 and R_5 or R_5 and R_6 may be combined to form a five-membered or six-membered ring.

7. The coloring composition according to claim 6,

inkjet recording ink composition, wherein the inkjet recording ink composition is the inkjet recording ink composition according to claim 8.